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Model #: PV500FC

PowerVerter Plus Inverter - Industrial-Strength Power for Heavy-Duty Applications

Highlights

- 12V DC input; 120V AC output; 2 outlets
- 500 watts continuous output
- 1000 watts peak surge output
- High efficiency power conversion
- Automatic overload protection

Description

Harness your vehicle's battery to efficiently power office equipment on the road or power tools at a work site. Continuously supplies up to 500 watts of 120V AC power to 2 AC outlets from any 12V battery or automotive DC source. Frequency control locks AC output at 60Hz for operating stability of motor loads. Includes a set of high current DC input terminals for simple, permanent installation. Highly reliable large transformer design specializes in powering motors and other inductive loads with high-current startup needs.

Applications

- Ideal for small power tools, pumps, fans, blenders & food-processors, desktop computers, laptops, portable electronics, battery chargers for cell phones, pagers, notepads and games, TV-VCR-stereo systems, camcorders, lighting and other AC applications under 500 watts continuous/1000 watts peak.

Package Includes

- PV500FC inverter
- Instruction manual

Features

- Allows users to run large, motorized AC appliances from any 12V battery or automotive DC system
- Converts 12V DC battery power to 120V AC power
- 500 watts continuous output power
- 1,000 watts peak output power to startup heavy motorized/inductive loads
- 2 outlets; DC input terminals for 12V battery connection (User supplies cable)
- Frequency control for operating stability
- Diagnostic LEDs indicate load level (high, medium, and low) and battery charge (high, medium, and low)
- DC fusing protects inverter against overload
- 3.5mm port for connecting remote switch (User supplies cable and switch)

Specifications

OUTPUT	
Frequency compatibility	60 Hz
Output watts	Continuous - 500 watts, Overpower (up to 1 hour) - 750 watts, Double-Boost wattage (up to 10 seconds) - 1000 watts

Output nominal voltage	120V nominal
Output voltage regulation	Maintains PWM sine wave output voltage of 120 VAC (+/-5%)
Output frequency regulation	60 Hz (+/- 0.3 Hz)
Overload protection	Circuit breaker
Outlet quantity / type	Includes 2 AC outlets (NEMA 5-15R)
INPUT	
Recommended Electrical Service	Requires 12VDC input source capable of delivering 50A for the required duration (when used at full continuous capacity). For automotive applications, professional hardwire installation with 100A battery system fusing is recommended.
Maximum input amps / watts	Full continuous load - 50A at 12VDC, No load - 2.2A at 12VDC
Input connection type	Set of 2 DC input terminals
Input cord length details	User supplies cabling. 4 gauge or larger recommended.
Voltage compatibility (VDC)	12
BATTERY	
DC system voltage (VDC)	15
LEDS ALARMS & SWITCHES	
Switches	Lighted on/off power switch, plus 2 conductor 3.5 mm port for connecting remote switch - user supplies switch, 3.5mm plug and cable.
Front panel LEDs	Set of 6 LEDs offer continuous status information on load percentage (6 levels reported) and battery charge level (7 levels reported). See manual for sequences.
PHYSICAL	
Shipping weight (lbs)	17
Shipping weight (kg)	7.71
Cooling method	Convection
Unit Dimensions (HWD/in)	7 x 7 x 10
Unit Dimensions (HWD/cm)	17.8 x 17.8 x 25.4
Shipping Dimensions (HWD/in)	11.63 x 9.5 x 9.5
Shipping Dimensions (HWD/cm)	29.5 x 24.13 x 24.13
Unit weight (lbs)	15
Unit weight (kg)	6.8
Material of construction	Polycarbonate
Form factors supported	Mounting slots enable permanent placement of inverter on any horizontal surface (see manual for additional mounting information)

ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
SPECIAL FEATURES	
Appearance	Black color
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=180.